

USSN: 10/748,524  
Attorney Docket: I-1995.184 US D1  
Response to Office Action of October 17, 2005

Amendments to the Claims:

1. (Currently amended) A multicomponent vaccine for cattle comprising an immunogenically effective combination of a protective antigen component from at least six clostridial organisms, a protective antigen component from at least one non-clostridial organism, which is *Moraxella Bovis* (*M. Bovis*) and ~~an~~ at least one adjuvant selected from the group consisting of oil -in- water, water-in-oil, Al (OH)<sub>3</sub>, Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>, Al PO<sub>4</sub>, bacterial extracts, a plant extract, a polymer and a liposome, wherein the vaccine is in a low dose volume of about 2 ml or less.
2. (Currently amended) A multicomponent vaccine for cattle, comprising an immunogenically effective combination of protective antigen components from at least seven clostridial organisms, a protective antigen component from at least one non-clostridial organism, which is *M. Bovis*, and ~~an~~ at least one adjuvant selected from the group consisting of oil -in- water, water-in-oil, Al (OH)<sub>3</sub>, Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>, Al PO<sub>4</sub>, bacterial extracts, a plant extract, a polymer and a liposome, wherein the vaccine is in a low dose volume of about 2 ml or less.

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3. (Currently amended) The vaccine according to Claim 1, wherein the clostridial organism is selected from the group consisting of *Clostridium chauvoei*, *Clostridium septicum*, *Clostridium novyi*, *Clostridium perfringens* type C, *Clostridium perfringens* type D, *Clostridium sordellii*, *Clostridium haemolyticum* *haemolyticum* and *Clostridium tetani*.

Claims 4-14 Cancelled

15. (Previously presented) The vaccine according to Claim 3, wherein the 6 clostridial organisms are selected from the group consisting of *Cl. chauvoei*, *Cl. septicum*, *Cl. novyi*, *Cl. perfringens* type C, *Cl. perfringens* type D, *Cl. haemolyticum* and *Cl. sordellii*.

16. (Cancelled)

17. (Previously presented) The vaccine according to Claim 2, wherein the 7 clostridial organisms are selected from the group consisting of *Cl. chauvoei*, *Cl. septicum*, *Cl. novyi*, *Cl. perfringens* type C, *Cl. perfringens* type D, *Cl. sordellii*, *Cl. haemolyticum*, and *Cl. tetani*.

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18. (Previously presented) The vaccine according to Claim 1, wherein the protective antigen component from 6 clostridial organisms is from *Cl. chauvoei*, *Cl. septicum*, *Cl novyi*, *Cl. perfringens* type C, *Cl. perfringens*, type D, and *Cl. sordellii*.
19. (Previously presented) The vaccine according to claim 2, wherein the protective antigen component from 7 clostridial organisms is from *Cl. chauvoei*, *Cl. septicum*, *Cl novyi*, *Cl. perfringens* type C, *Cl. perfringens*, type D, *Cl. haemolyticum* and *Cl. sordellii*.

Claims 20-39 Canceled

40. (Currently amended) The vaccine according to claim 2, wherein the 7 clostridial organisms are *Cl. chauvoei*, *Cl. septicum*, *Cl novyi*, *Cl. perfringens* type C, *Cl. perfringens* type D, *Cl. sordellii* and *Cl. haemolyticum* and the protective antigen component from at least one non-clostridial organism comprises *H.* *Haemophilus somnis* and *M. bovis*.

Claims 41-45 (Canceled)

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46. (Previously presented) A method of immunizing an animal comprising administering an effective amount of the vaccine of Claim 1.

47. (Previously presented) A method of immunizing an animal comprising administering an effective amount of the vaccine of Claim 2.